

DBH
NMJ

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 9/6/2013**

Instrument Serial Number: 010414 **As of 06-Sep-13**

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
03-Sep-13	03-Sep-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
28-Jun-13	18-Mar-13	DBH (21250)	REPLACED DRY GAS STANDARD.
18-Mar-13	18-Mar-13	DBH (21250)	CERTIFIED.
26-Sep-12	26-Sep-12	DBH (21250)	CERTIFIED.
09-Apr-12	09-Apr-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
17-Feb-12	24-Oct-11	DBH (21250)	REPLACED DRY GAS STANDARD.
24-Oct-11	24-Oct-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
15-Jun-11	15-Jun-11	DBH (21250)	CERTIFIED
04-Jan-11	04-Jan-11	DBH (21250)	CERTIFIED
06-Dec-10	06-Dec-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
08-Sep-10	06-Jul-10	DBH (21250)	REPLACED DRY GAS STANDARD
19-Aug-10	06-Jul-10	DBH (21250)	REPLACED DRY GAS STANDARD
06-Jul-10	06-Jul-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
18-May-10	12-Jan-10	DBH (21250)	REPLACED DRY GAS STANDARD
12-Jan-10	12-Jan-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
04-Aug-09	04-Aug-09	DBH (21250)	CERTIFIED.
30-Jun-09	30-Jun-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
24-Jun-09	24-Jun-09	NMJ (22392)	REPLACED TANK TOP LID, CERTIFIED.
26-Feb-09	26-Feb-09	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
PWL

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010414 Worksheet Start Date 9/3/2013
Location Powhatan CO SO
Address 3880 Old Buckingham Rd Powhatan VA 23139
DFS Technician Donald Hall License No. 21250

☐ Laboratory

☒ On-Site

Site Specifications

Yes No

1 Secured Environment:

Location must not be accessible to the general public.

☒

☐

2 Environment free from contaminants

☒

☐

3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒

☐

4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒

☐

5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒

☐

6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒

☐

7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒

☐

Old serial no.
E-Seek
Keyboard
Printer
UPS

New serial no.

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:

75

Maintenance (if any)
Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010414

Certification Date 9/3/2013

Instrument Barometer (mm HG) 747

Reference Barometer (mm HG) 749

Reference Barometer(RB)Serial # 009110

RB Calibration Due 5/30/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.242
0.250	0.246	0.238	0.253	Sample 2	0.241
Precision		sample min	sample max	Sample 3	0.241
0.001		0.241	0.242		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.146
0.150	0.147	0.142	0.151	Sample 2	0.146
Precision		sample min	sample max	Sample 3	0.146
0		0.146	0.146		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.078
0.080	0.079	0.076	0.082	Sample 2	0.078
Precision		sample min	sample max	Sample 3	0.077
0.001		0.077	0.078		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG316301-20

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.096
0.100	0.098	0.095	0.101	Sample 2	0.096
Precision		sample min	sample max	Sample 3	0.096
0		0.096	0.096		

DFS Technician

Donald B Hall

Date

9/6/13

Issuing Analyst

Melissa Kennedy

Date

9/11/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

DFS Document 250-F113

Revision 6

Page 2 of 2




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 09/03/2013
TEST EQUIPMENT NUMBER 010414		

RESULTS: TIME SAMPLE TAKEN **14:26 EDT**

SAMPLE'S ALCOHOL CONTENT **0.00** GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE

FOR COURT



IntoxNet MIS Report

Report Generated 06 Sep 2013 at 09:38

DBH

NSK

Test Results

Instrument Serial Number 010414

Test # 000627 Subject Test

Test Location 1 Department of

Test Date 03 Sep 2013

Test Location 2 Forensic Science

Test Time 14:20

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name HALL

Agency DFS Central Lab

Card Serial Number 121250

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

Operator's First Name DONALD

Effective Date 10/01/2012

Subject's Date of Birth 00/00/0000

Subject's First Name TEST

Operator's Middle Initial B

License Number 21250

Expiration Date 10/01/2014

Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

End Date 03 Sep 2013

End Time 14:28

Result Time 14:26

Result Date 03 Sep 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:21

Data Type BLK

Sample Value 0.000

Sample Time 14:21

Data Type CHK

Sample Value 0.098

Sample Time 14:22

Data Type BLK

Sample Value 0.000

Sample Time 14:23

Data Type SUBJ

Sample Value 0.000

Sample Time 14:24

Data Type BLK

Sample Value 0.000

Sample Time 14:25

Data Type SUBJ

Sample Value 0.000

Sample Time 14:26

Data Type BLK

Sample Value 0.000

Sample Time 14:27

Standard Type Dry Gas Std

Standard Value 0.098

Standard Lot Number AG129004-06

Standard Expiration Date 10/17/2013

Tank Pressure 115

Barometric Pressure 748 mmHg

Blow Sample Number 1

Blow Duration 3.32 sec

Blow Volume 1787 cc

End-of-Blow Time 14:24

Blow Sample Number 2

Blow Duration 3.59 sec

Blow Volume 1816 cc

End-of-Blow Time 14:26

Tamper Evident Stamp aecb58b7

Test Status Code 0

Test Status Success

Intox EC/IR-11: Software Version

Department of Forensic Science

Serial Number: 010414

System Date: 09/03/2013

System Time: 14:54 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

SBH

WSE

DB1

Intox EC/IR-II: Calibration

MSK

Department of Forensic Science

Serial Number: 010414 Test Number: 628

Test Date: 09/03/2013 Test Time: 14:57 EDT

Dry Gas Target: 0.098

Lot Number: 0651210013-05 Exp Date: 04/01/2014

Tank Pressure: 458 psi Barometric Pressure: 147 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	14:58
CAL	0.098	14:59

Test Status: Success

Calibration CRC: C774E6D4

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010414 Test Number: 629

Test Date: 09/03/2013 Test Time: 15:03 EDT

Technician Initials: DBH

Dry Gas Target: 0.246

Lot Number: 2961225012-10 Exp Date: 11/01/2014

Tank Pressure: 379 psi Barometric Pressure: 747 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:03
BLK	0.000	15:04
CHK	0.242	15:05
BLK	0.000	15:06
CHK	0.241	15:07
BLK	0.000	15:08
CHK	0.241	15:09
BLK	0.000	15:10

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

DBH

Intox EC/IR-II: Certification

DBH

Department of Forensic Science

Serial Number: 010414 Test Number: 630

Test Date: 09/03/2013 Test Time: 15:13 EDT

Technician Initials: DBH

Dry Gas Target: 0.147

Lot Number: 0651215014-07 Exp Date: 04/01/2014

Tank Pressure: 149 psi Barometric Pressure: 747 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:14
BLK	0.000	15:15
CHK	0.146	15:15
BLK	0.000	15:17
CHK	0.146	15:17
BLK	0.000	15:19
CHK	0.146	15:19
BLK	0.000	15:21

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

Wsk

Intox EC/IR-II: Certification*Department of Forensic Science*

Serial Number: 010414 Test Number: 631

Test Date: 09/03/2013 Test Time: 15:23 EDT

Technician Initials: DBH

Dry Gas Target: 0.079

Lot Number: 0651208012-03 Exp Date: 04/01/2014

Tank Pressure: 340 psi Barometric Pressure: 747 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:24
BLK	0.000	15:24
CHK	0.078	15:25
BLK	0.000	15:26
CHK	0.078	15:27
BLK	0.000	15:28
CHK	0.077	15:29
BLK	0.000	15:30

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010414 Test Number: 632

Test Date: 09/03/2013 Test Time: 15:33 EDT

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0651202011-05 Exp Date: 04/01/2014

Tank Pressure: 227 psi Barometric Pressure: 747 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:34
BLK	0.000	15:34
CHK	0.019	15:35
BLK	0.000	15:36
CHK	0.019	15:37
BLK	0.000	15:38
CHK	0.019	15:39
BLK	0.000	15:40

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check

N81K

Department of Forensic Science

Serial Number: 010414 Test Number: 633

Test Date: 09/03/2013 Test Time: 15:44 EDT

Dry Gas Target: 0.295

Lot Number: AG322702-04 Exp Date: 08/15/2015

Tank Pressure: 512 psi Barometric Pressure: 747 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	15:45
CHK	0.293	15:46
BLK	0.000	15:47
CHK	0.292	15:48
BLK	0.000	15:50
CHK	0.292	15:51

Test Status: Success

Calibration CRC: C774E6D4

DB

108

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010414 Test Number: 634

Test Date: 09/03/2013 Test Time: 15:54 EDT

Dry Gas Target: 0.098

Lot Number: AG316301-20 Exp Date: 06/12/2015

Tank Pressure: 1115 psi Barometric Pressure: 747 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	15:54
CHK	0.096	15:55
BLK	0.000	15:57
CHK	0.096	15:58
BLK	0.000	15:59
CHK	0.096	16:00

Test Status: Success

Calibration CRC: C774E6D4



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED	NAME OF COURT
INSTRUMENT, TEST,	DFS

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY		AGENCY
HALL, DONALD, B		DFS Central Lab
DFS LICENSE NUMBER	LICENSE EXPIRES	DATE TEST CONDUCTED
21250	10/01/2014	09/03/2013
TEST EQUIPMENT NUMBER		
010414		

RESULTS: TIME SAMPLE TAKEN 16:09 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 06 Sep 2013 at 09:40

DBH

MJL

Test Results

Instrument Serial Number 010414

Test # 000635 Subject Test

Test Location 1 Department of
Test Date 03 Sep 2013

Test Location 2 Forensic Science
Test Time 16:02
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 03 Sep 2013 End Time 16:10

Result Time 16:09

Result Date 03 Sep 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 16:03

Data Type BLK

Sample Value 0.000

Sample Time 16:03

Data Type CHK

Sample Value 0.096

Sample Time 16:04

Data Type BLK

Sample Value 0.000

Sample Time 16:05

Data Type SUBJ

Sample Value 0.000

Sample Time 16:06

Data Type BLK

Sample Value 0.000

Sample Time 16:07

Data Type SUBJ

Sample Value 0.000

Sample Time 16:09

Data Type BLK

Sample Value 0.000

Sample Time 16:10

Standard Type Dry Gas Std

Standard Value 0.098

Standard Lot Number AG316301-20

Standard Expiration Date 06/12/2015

Tank Pressure 1115

Barometric Pressure 747 mmHg

Blow Sample Number 1 Blow Duration 3.48 sec

Blow Volume 1794 cc End-of-Blow Time 16:06

Blow Sample Number 2 Blow Duration 3.51 sec

Blow Volume 1835 cc End-of-Blow Time 16:09

Tamper Evident Stamp 3195ac39

Test Status Code 0

Test Status Success